

HORIZON
2020

Turning food industry's organic wastw into value

Fact Sheet

Project Information

HOME BIOGAS

Grant agreement ID: 777770

[Project website](#)

DOI

[10.3030/777770](https://doi.org/10.3030/777770)

Project closed

EC signature date

25 July 2017

Start date

1 August 2017

End date

31 January 2020

Funded under

SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Total cost

€ 2 292 500,00

EU contribution

€ 1 604 750,00

Coordinated by

HOME BIOGAS LTD



Israel

Objective

HOME BIOGAS LTD develops and markets advanced biogas systems that reduce our clients' waste management fees, energy expenses and environmental footprint by converting organic waste into biogas, a clean energy source. Since 2016, we commercialise HOME BIOGAS TG1, an advanced, cost-effective household biogas system. So far we have sold more than 540 units in 46 countries, generating over €400,000 in revenues. We have been financed by private investors (€2.5 million) and government funding (€700,000) while a successful crowdfunding campaign has demonstrated an ample public interest in our products by collecting 219% of the targeted funding. We participate as editors of the ISO TC255/WG3 Domestic Biogas

International Standard.

There are more than 2.32 million food service and retail businesses in the EU, which annually generate over 15 million tonnes of food and kitchen waste . Waste management carries significant costs for them while public concern on the environmental impact generated by unsustainable waste management practices is growing. We aim to leverage the success of our household systems by offering these companies an affordable (€10,000), high performance biogas solution to fulfil their specific necessities: HOMEBIOGAS TG6 will convert their organic waste (100 kg per day) into free clean energy (120 kWh per day), generating important savings (over €5,000 per year) and improving their environmental footprint and corporate image. HOMEBIOGAS TG6 has been demonstrated at TRL6 through the successful development and commercialisation of our TG1 system and the development and trial of two different large (200-250 kg per day) business-to-business pilots. Thanks to HOMEBIOGAS TG6, we will increase our profit by €31.7 million and hire 36 new employees by 2023.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental biotechnology](#) > [bioremediation](#) > **[bioreactors](#)**

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > **[renewable energy](#)**

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > [fossil energy](#) > **[natural gas](#)**

[engineering and technology](#) > [environmental engineering](#) > [waste management](#) > **[waste treatment processes](#)**

[social sciences](#) > [economics and business](#) > **[business and management](#)**



Programme(s)

[H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials](#)

MAIN PROGRAMME

[H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument](#)

Topic(s)

[SMEInst-11-2016-2017 - Boosting the potential of small businesses in the areas of climate action, environment, resource efficiency and raw materials](#)

Call for proposal

[H2020-SMEInst-2016-2017](#) 

[See other projects for this call](#)

Sub call

H2020-SMEINST-2-2016-2017

Funding Scheme

[SME-2 - SME instrument phase 2](#)

Coordinator



HOME BIOGAS LTD

Net EU contribution

€ 1 604 750,00

Total cost

€ 2 292 500,00

Address

HADASA NEURIM

40293 Bet Yanai

 **Israel** 

SME 

Yes

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 17 August 2022

Permalink: <https://cordis.europa.eu/project/id/777770>

